# CFP2000 Result

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## Intel Corporation

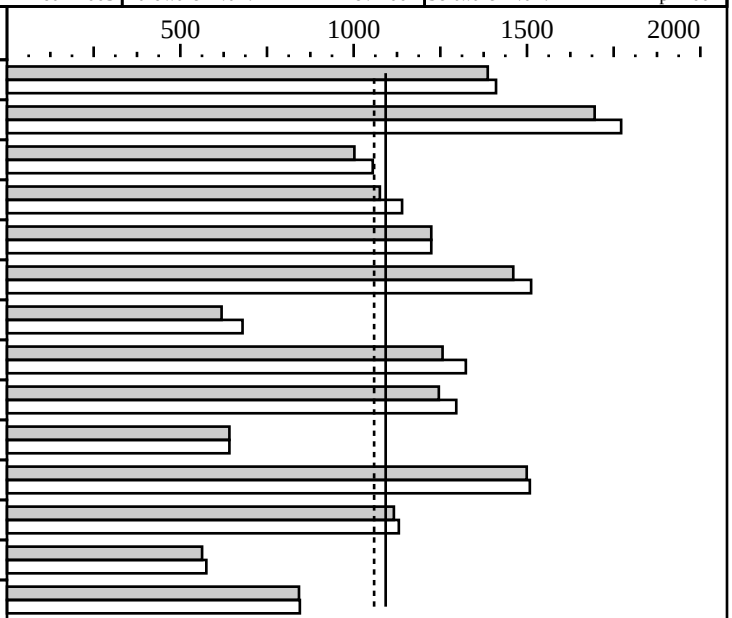
Intel D850EMVR motherboard (3.06 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECfp2000 = 1092

SPECfp_base2000 = 1059

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jan-2003 | Hardware Avail: Nov-2002 | Software Avail: Apr-2002

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 115 | 1387 | 113 | 1411 |
| 171.swim | 3100 | 183 | 1695 | 175 | 1772 |
| 172.mgrid | 1800 | 180 | 1002 | 171 | 1055 |
| 173.applu | 2100 | 195 | 1076 | 184 | 1140 |
| 177.mesa | 1400 | 114 | 1224 | 114 | 1224 |
| 178.galgel | 2900 | 199 | 1460 | 192 | 1512 |
| 179.art | 2600 | 420 | 619 | 383 | 679 |
| 183.equake | 1300 | 103 | 1256 | 98.2 | 1324 |
| 187.facerec | 1900 | 153 | 1246 | 147 | 1296 |
| 188.ammp | 2200 | 343 | 642 | 343 | 642 |
| 189.lucas | 2000 | 133 | 1499 | 133 | 1508 |
| 191.fma3d | 2100 | 188 | 1116 | 186 | 1130 |
| 200.sixtrack | 1100 | 195 | 563 | 191 | 575 |
| 301.apsi | 2600 | 309 | 842 | 308 | 845 |




### Hardware

| | |
|---|---|
| CPU: | Intel Pentium 4 Processor with Hyper-Threading Technology(3.06 GHz, 533 MHz bus) |
| CPU MHz: | 3067 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled) |
| CPU(s) orderable: | 1 |
| Parallel: | No |
| Primary Cache: | 12k micro-ops I + 8KBD on chip |
| Secondary Cache: | 512KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 512 MB (2 256 MB PC1066-32 RDRAM non-ECC modules) |
| Disk Subsystem: | IBM 120GXP 80 GB IC35L080AVVA07-0 ATA-100 |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows XP Professional(Build 2600) |
| Compiler: | Intel C++ Compiler 7.0 Build 021018Z<br>Intel Fortran Compiler 7.0 Build 021028Z<br>Microsoft Visual Studio .Net 7.0.9466(for libraries) |
| File System: | FAT32 |
| System State: | Default |

## Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -Qipo -QxW -O3 +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -Qipo -QxW  -O3 +FDO
171.swim:     -Qipo -QxW  -O3 +FDO
172.mgrid:    -Qipo -QaxW -O3 +FDO
173.applu:    -Qipo -QxW  -O3 -Qscalar_rep- -Qauto +FDO
177.mesa:     basepeak=yes
178.galgel:   -Qipo -QxW  -O3 +FDO
179.art:      -Qipo -QxW  -O3 -Oa +FDO
183.equake:   -Qipo -QxW  -Oa -Qrcd +FDO
187.facerec:  -Qipo -QxW  -O3 +FDO
188.ammp:     basepeak=yes
189.lucas:    -Qipo -QxW  -O3 +FDO
191.fma3d:    -Qipo -QxW  -O3 +FDO
```

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## Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxW  +FDO
301.apsi:     -Qipo -QxW  -O3 +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B
Product description located as of 10/2002:
http://developer.intel.com/design/motherbd/mv2/index.htm
Motherboard ordering information is available at:
http://program.intel.com/shared/products/boards/d850emv2/index.htm
The system bus runs at 533 MHz
```